

05-14-01

A

Please type a plus sign (+) inside this box →

+

PTO/SB/05 (12/97)

Approved for use through 09/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

LITD:0013

Total Pages

54

First Named Inventor or Application Identifier

Randall D. Blanchard

Express Mail Label No.

EL 652 336 205 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents

Box Patent Application  
Washington, DC 20231

1. ☒ **Fee Transmittal Form**  
(Submit an original, and a duplicate for fee processing)
2. ☒ **Specification** Total Pages **33**  
(preferred arrangement set forth below)  
-Descriptive  
-Cross References to Related Application  
-Statement Regarding Fed sponsored R & D  
-Reference to Microfiche Appendix  
-Background of the Invention  
-Brief Summary of the Invention  
-Brief Description of the Drawings (if filed)  
-Detailed Description  
-Claim(s)  
-Abstract of the Disclosure
3. ☒ **Drawing(s) (35 USC 113)** Total Sheets **4**  
Total Pages **12**
4. **Oath or Declaration**  
a. ☒ **Newly executed (original or copy)**  
b. ☐ **Copy from a prior application (37CFR 1.63(d))**  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting  
Inventor(s) named in the prior application,  
See 37 CFR 1.63(d)(2) and 1.33(b).
5. ☐ **Incorporation By Reference** (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a  
Copy of the oath or declaration is supplied under Box 4b,  
is considered as being part of the disclosure of the  
accompanying application and is hereby incorporated by  
reference therein.
6. ☐ **Microfiche Computer Program (Appendix)**
7. **Nucleotide and/or Amino Acid Sequence Submission**  
(if applicable, all necessary)  
a. ☐ **Computer Readable Copy**  
b. ☐ **Paper Copy (identical to computer copy)**  
c. ☐ **Statement verifying identity of above copies**

**ACCOMPANYING APPLICATION PARTS**

8. ☒ **Assignment Papers (cover sheet & document(s))**
9. ☐ **37 CFR 3.73(b) Statement** ☐ **Power of Attorney**  
(where there is an assignee)
10. ☐ **English Translation Document (if applicable)**
11. ☐ **Information Disclosure Statement (IDS)/PTO-1449** ☐ **Copies of IDS Citations**
12. ☐ **Preliminary Amendment**
13. ☒ **Return Receipt Postcard (MPEP 503)**
14. ☐ **Small Entity** ☐ **Statement filed in prior application**  
Statement(s) Status still proper and desired
15. ☐ **Certified Copy of Priority Document(s)**  
(if foreign priority is claimed)
16. ☒ **Other (PTO-2038)**

17. ☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP) of prior application No. \_\_\_\_\_ / \_\_\_\_\_**

**18. CORRESPONDENCE ADDRESS**☐ **Customer Number or Bar Code Label**☒ **Correspondence address below**

(Insert Customer No. or Attach bar code label here)


NAME	Michael G. Fletcher				
	Fletcher, Yoder & Van Someren				
ADDRESS	P.O. Box 692289				
CITY	Houston	STATE	Texas	ZIP CODE	77269-2289
COUNTRY	USA	TELEPHONE	(281) 970-4545	Fax	(281) 970-4503

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>FEE TRANSMITTAL</b>		<b>Complete if Known</b>	
		<b>Application Number</b>	Unassigned
		<b>Filing Date</b>	Herewith
		<b>First Named Inventor</b>	Randall D. Blanchard
		<b>Group Art Unit</b>	Unassigned
		<b>Examiner Name</b>	Unassigned
<b>TOTAL AMOUNT OF PAYMENT</b>	<b>(\$)</b> 1,416.00	<b>Attorney Docket Number</b>	LITD:0013

<p><b>METHOD OF PAYMENT (check one)</b></p> <p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number _____</p> <p>Deposit Account Name Fletcher, Yoder &amp; Van Someren</p> <p><input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17      <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.31(b)</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p style="padding-left: 40px;"><input type="checkbox"/> Check    <input type="checkbox"/> Money Order    <input checked="" type="checkbox"/> Other</p> <p style="text-align: center;"><b>(PTO-2038)</b></p> <p style="text-align: center;"><b>FEE CALCULATION (fees effective 10/01/96)</b></p> <p><b>1. FILING FEE</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>690</td> <td>201</td> <td>380</td> <td>Utility filing fee</td> <td><u>710.00</u></td> </tr> <tr> <td>106</td> <td>330</td> <td>206</td> <td>165</td> <td>Design filing fee</td> <td>_____</td> </tr> <tr> <td>107</td> <td>540</td> <td>207</td> <td>270</td> <td>Plant filing fee</td> <td>_____</td> </tr> <tr> <td>108</td> <td>790</td> <td>208</td> <td>395</td> <td>Reissue filing fee</td> <td>_____</td> </tr> <tr> <td>114</td> <td>150</td> <td>214</td> <td>75</td> <td>Provisional filing fee</td> <td>_____</td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (1)</b></td> <td><b>(\$)</b> <u>710.00</u></td> </tr> </tbody> </table> <p><b>2. CLAIMS</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>18</td> <td>203</td> <td>9</td> <td>Claims in excess of 20</td> <td>_____</td> </tr> <tr> <td>102</td> <td>80</td> <td>202</td> <td>39</td> <td>Independent claims in excess of 3</td> <td>_____</td> </tr> <tr> <td>104</td> <td>260</td> <td>204</td> <td>130</td> <td>Multiple dependent claim</td> <td>_____</td> </tr> <tr> <td>109</td> <td>82</td> <td>209</td> <td>41</td> <td>Reissue independent claims over original patent</td> <td>_____</td> </tr> <tr> <td>110</td> <td>22</td> <td>210</td> <td>11</td> <td>Reissue claims in excess of 20 and over original patent</td> <td>_____</td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (2)</b></td> <td><b>(\$)</b> <u>666.00</u></td> </tr> </tbody> </table>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	101	690	201	380	Utility filing fee	<u>710.00</u>	106	330	206	165	Design filing fee	_____	107	540	207	270	Plant filing fee	_____	108	790	208	395	Reissue filing fee	_____	114	150	214	75	Provisional filing fee	_____	<b>SUBTOTAL (1)</b>					<b>(\$)</b> <u>710.00</u>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	103	18	203	9	Claims in excess of 20	_____	102	80	202	39	Independent claims in excess of 3	_____	104	260	204	130	Multiple dependent claim	_____	109	82	209	41	Reissue independent claims over original patent	_____	110	22	210	11	Reissue claims in excess of 20 and over original patent	_____	<b>SUBTOTAL (2)</b>					<b>(\$)</b> <u>666.00</u>	<p><b>3. ADDITIONAL FEES</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td>_____</td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td>Surcharge - late provisional filing or cover sheet</td> <td>_____</td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td>Non-English specification</td> <td>_____</td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> <td>For filing a request for reexamination</td> <td>_____</td> </tr> <tr> <td>112</td> <td>920</td> <td>112</td> <td>920</td> <td>Requesting publication of SIR prior to Examiner action</td> <td>_____</td> </tr> <tr> <td>113</td> <td>1,840</td> <td>113</td> <td>1,840</td> <td>Requesting publication of SIR after Examiner action</td> <td>_____</td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td>Extension for response within first month</td> <td>_____</td> </tr> <tr> <td>116</td> <td>400</td> <td>216</td> <td>200</td> <td>Extension for response within second month</td> <td>_____</td> </tr> <tr> <td>117</td> <td>950</td> <td>217</td> <td>475</td> <td>Extension for response within third month</td> <td>_____</td> </tr> <tr> <td>118</td> <td>1,570</td> <td>218</td> <td>755</td> <td>Extension for response within fourth month</td> <td>_____</td> </tr> <tr> <td>119</td> <td>310</td> <td>219</td> <td>155</td> <td>Notice of Appeal</td> <td>_____</td> </tr> <tr> <td>120</td> <td>310</td> <td>220</td> <td>155</td> <td>Filing a brief in support of an appeal</td> <td>_____</td> </tr> <tr> <td>121</td> <td>270</td> <td>221</td> <td>135</td> <td>Request for oral hearing</td> <td>_____</td> </tr> <tr> <td>138</td> <td>1,510</td> <td>138</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td>_____</td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td>Petition to revive unavoidably abandoned application</td> <td>_____</td> </tr> <tr> <td>141</td> <td>1,320</td> <td>241</td> <td>660</td> <td>Petition to revive unintentionally abandoned application</td> <td>_____</td> </tr> <tr> <td>142</td> <td>1,320</td> <td>242</td> <td>660</td> <td>Utility issue fee (or reissue)</td> <td>_____</td> </tr> <tr> <td>143</td> <td>450</td> <td>243</td> <td>225</td> <td>Design issue fee</td> <td>_____</td> </tr> <tr> <td>144</td> <td>670</td> <td>244</td> <td>335</td> <td>Plant issue fee</td> <td>_____</td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> <td>Petitions to the Commissioner</td> <td>_____</td> </tr> <tr> <td>123</td> <td>50</td> <td>123</td> <td>50</td> <td>Petitions related to provisional applications</td> <td>_____</td> </tr> <tr> <td>126</td> <td>240</td> <td>126</td> <td>240</td> <td>Submission of Information Disclosure Stmt</td> <td>_____</td> </tr> <tr> <td>581</td> <td>40</td> <td>581</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td><u>40.00</u></td> </tr> <tr> <td>146</td> <td>790</td> <td>246</td> <td>395</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> <td>_____</td> </tr> <tr> <td>149</td> <td>790</td> <td>249</td> <td>395</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td>_____</td> </tr> <tr> <td colspan="5">Other fee (specify) _____</td> <td>_____</td> </tr> <tr> <td colspan="5">Other fee (specify) _____</td> <td>_____</td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (3)</b></td> <td><b>(\$)</b> <u>40.00</u></td> </tr> </tbody> </table> <p>* Reduced by Basic Filing Fee Paid</p>	Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath	_____	127	50	227	25	Surcharge - late provisional filing or cover sheet	_____	139	130	139	130	Non-English specification	_____	147	2,520	147	2,520	For filing a request for reexamination	_____	112	920	112	920	Requesting publication of SIR prior to Examiner action	_____	113	1,840	113	1,840	Requesting publication of SIR after Examiner action	_____	115	110	215	55	Extension for response within first month	_____	116	400	216	200	Extension for response within second month	_____	117	950	217	475	Extension for response within third month	_____	118	1,570	218	755	Extension for response within fourth month	_____	119	310	219	155	Notice of Appeal	_____	120	310	220	155	Filing a brief in support of an appeal	_____	121	270	221	135	Request for oral hearing	_____	138	1,510	138	1,510	Petition to institute a public use proceeding	_____	140	110	240	55	Petition to revive unavoidably abandoned application	_____	141	1,320	241	660	Petition to revive unintentionally abandoned application	_____	142	1,320	242	660	Utility issue fee (or reissue)	_____	143	450	243	225	Design issue fee	_____	144	670	244	335	Plant issue fee	_____	122	130	122	130	Petitions to the Commissioner	_____	123	50	123	50	Petitions related to provisional applications	_____	126	240	126	240	Submission of Information Disclosure Stmt	_____	581	40	581	40	Recording each patent assignment per property (times number of properties)	<u>40.00</u>	146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	_____	149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	_____	Other fee (specify) _____					_____	Other fee (specify) _____					_____	<b>SUBTOTAL (3)</b>					<b>(\$)</b> <u>40.00</u>
Large Entity		Small Entity		Fee Description			Fee Paid																																																																																																																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																																																																																								
101	690	201	380	Utility filing fee	<u>710.00</u>																																																																																																																																																																																																																																																																						
106	330	206	165	Design filing fee	_____																																																																																																																																																																																																																																																																						
107	540	207	270	Plant filing fee	_____																																																																																																																																																																																																																																																																						
108	790	208	395	Reissue filing fee	_____																																																																																																																																																																																																																																																																						
114	150	214	75	Provisional filing fee	_____																																																																																																																																																																																																																																																																						
<b>SUBTOTAL (1)</b>					<b>(\$)</b> <u>710.00</u>																																																																																																																																																																																																																																																																						
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																																																																																																						
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																																																																																								
103	18	203	9	Claims in excess of 20	_____																																																																																																																																																																																																																																																																						
102	80	202	39	Independent claims in excess of 3	_____																																																																																																																																																																																																																																																																						
104	260	204	130	Multiple dependent claim	_____																																																																																																																																																																																																																																																																						
109	82	209	41	Reissue independent claims over original patent	_____																																																																																																																																																																																																																																																																						
110	22	210	11	Reissue claims in excess of 20 and over original patent	_____																																																																																																																																																																																																																																																																						
<b>SUBTOTAL (2)</b>					<b>(\$)</b> <u>666.00</u>																																																																																																																																																																																																																																																																						
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																																																																						
105	130	205	65	Surcharge - late filing fee or oath	_____																																																																																																																																																																																																																																																																						
127	50	227	25	Surcharge - late provisional filing or cover sheet	_____																																																																																																																																																																																																																																																																						
139	130	139	130	Non-English specification	_____																																																																																																																																																																																																																																																																						
147	2,520	147	2,520	For filing a request for reexamination	_____																																																																																																																																																																																																																																																																						
112	920	112	920	Requesting publication of SIR prior to Examiner action	_____																																																																																																																																																																																																																																																																						
113	1,840	113	1,840	Requesting publication of SIR after Examiner action	_____																																																																																																																																																																																																																																																																						
115	110	215	55	Extension for response within first month	_____																																																																																																																																																																																																																																																																						
116	400	216	200	Extension for response within second month	_____																																																																																																																																																																																																																																																																						
117	950	217	475	Extension for response within third month	_____																																																																																																																																																																																																																																																																						
118	1,570	218	755	Extension for response within fourth month	_____																																																																																																																																																																																																																																																																						
119	310	219	155	Notice of Appeal	_____																																																																																																																																																																																																																																																																						
120	310	220	155	Filing a brief in support of an appeal	_____																																																																																																																																																																																																																																																																						
121	270	221	135	Request for oral hearing	_____																																																																																																																																																																																																																																																																						
138	1,510	138	1,510	Petition to institute a public use proceeding	_____																																																																																																																																																																																																																																																																						
140	110	240	55	Petition to revive unavoidably abandoned application	_____																																																																																																																																																																																																																																																																						
141	1,320	241	660	Petition to revive unintentionally abandoned application	_____																																																																																																																																																																																																																																																																						
142	1,320	242	660	Utility issue fee (or reissue)	_____																																																																																																																																																																																																																																																																						
143	450	243	225	Design issue fee	_____																																																																																																																																																																																																																																																																						
144	670	244	335	Plant issue fee	_____																																																																																																																																																																																																																																																																						
122	130	122	130	Petitions to the Commissioner	_____																																																																																																																																																																																																																																																																						
123	50	123	50	Petitions related to provisional applications	_____																																																																																																																																																																																																																																																																						
126	240	126	240	Submission of Information Disclosure Stmt	_____																																																																																																																																																																																																																																																																						
581	40	581	40	Recording each patent assignment per property (times number of properties)	<u>40.00</u>																																																																																																																																																																																																																																																																						
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	_____																																																																																																																																																																																																																																																																						
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	_____																																																																																																																																																																																																																																																																						
Other fee (specify) _____					_____																																																																																																																																																																																																																																																																						
Other fee (specify) _____					_____																																																																																																																																																																																																																																																																						
<b>SUBTOTAL (3)</b>					<b>(\$)</b> <u>40.00</u>																																																																																																																																																																																																																																																																						

<b>SUBMITTED BY</b>		<b>Complete (if applicable)</b>	
Typed or Printed Name	Michael G Fletcher	Reg. Number	32,777
Signature		Date	05/11/01
		Deposit Acct. User ID	